

6. A method according to any one of the preceding claims, characterized in that T_2 is in the range 10 – 40 °C.

5 7. A method according to any one of the preceding claims, characterized in that T_4 is lower than or equal to T_2 , said optional difference being 1 – 2 °C.

8. A method according to any one of the preceding claims, characterized in that T_3 is lower than or equal to T_2 , said difference being 1 – 2 °C.

10 9. A method according to any one of the preceding claims, characterized in that the liquid (6) supplied to the carriers (5) is preferably water.

15 10. A method according to any one of the preceding claims, characterized in that a negative pressure is established in the drum (4) during its treatment of the blocks of meat (1) and/or the units of meat (2).

20 11. A method according to any one of the preceding claims, characterized in that the drum (4) continues its rotation/revolution after the blocks of meat (1) having been broken up into units of meat (2).

25 12. A method according to any one of the preceding claims, characterized in that the carriers (5) are constructed asymmetrically, and that, during rotation, the drum (4) changes its direction of revolution, whereby the blocks of meat (1) and/or the units of meat (2) are caused to contact changing sides of the same carriers (5).

30 13. Use of a method according to claims 1 – 12 for the thawing of frozen meat.

14. A system for carrying out the method according to claims 1 – 12,

c h a r a c t e r i z e d by a massage system (3) comprising a drum (4); at least one carrier (5); a chamber for providing a negative pressure, preferably by means of a pump; and a system for recirculating a liquid (6) between the interior of the carriers (5) and a heat reservoir.

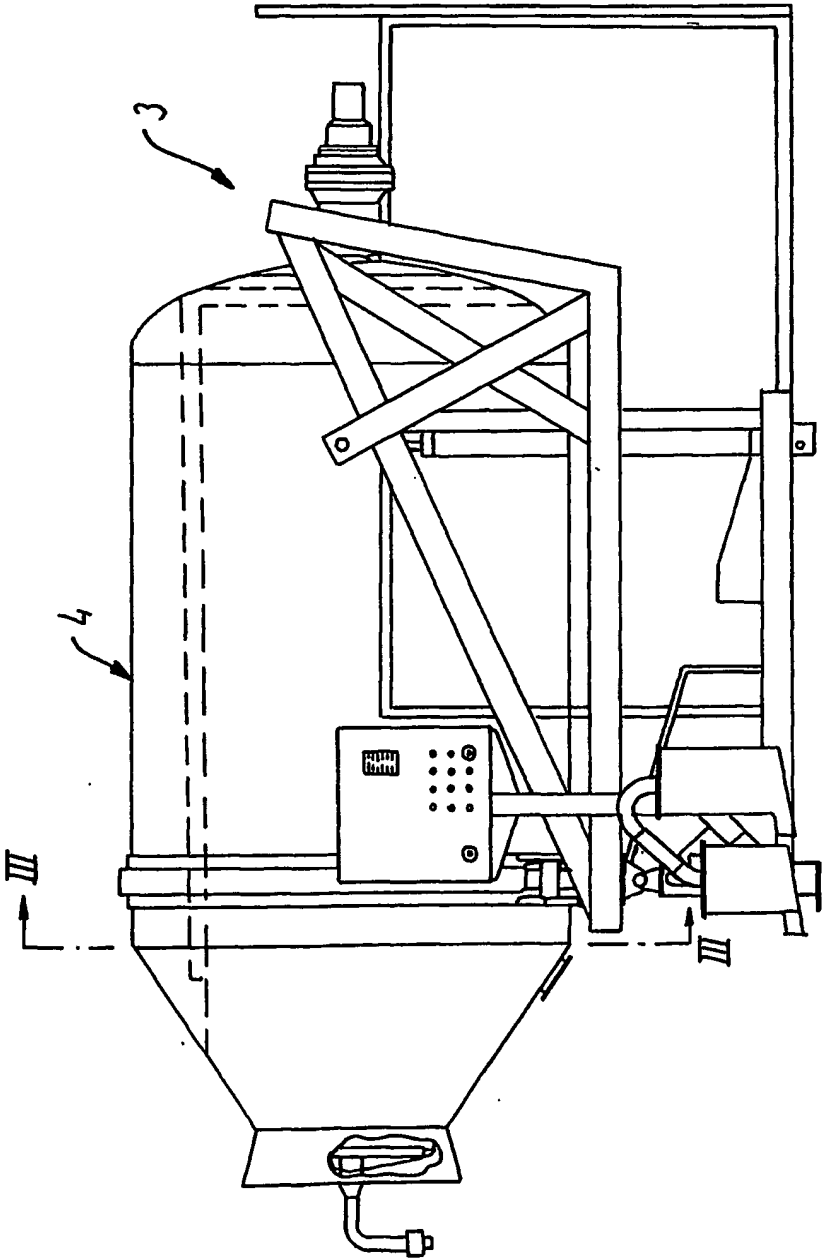


FIG. 1

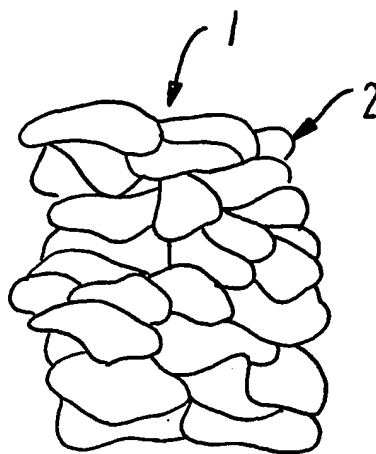


FIG. 2

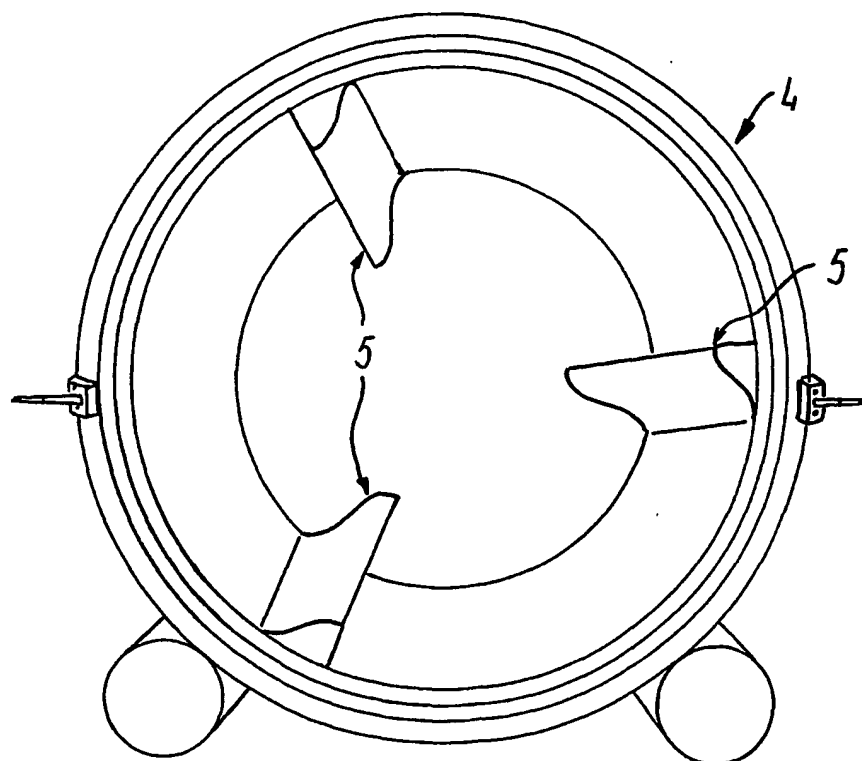
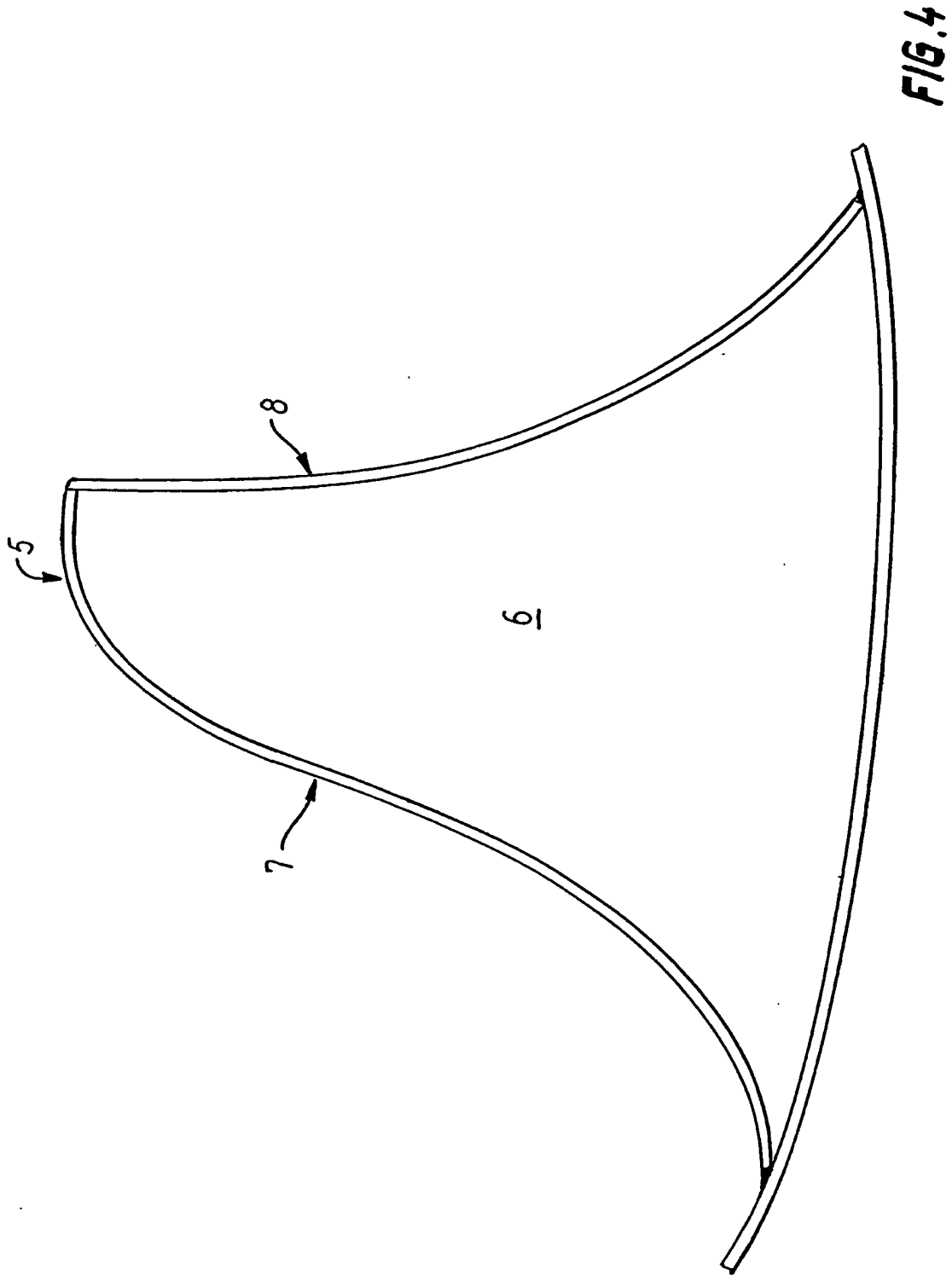


FIG. 3



**MULTIPLE DEPENDENT CLAIM
FEE CALCULATION SHEET**
(FOR USE WITH FORM PTO-875)

SERIAL NO.

10/491049

APPLICANT(S)

FILING DATE

Winston Alvarado
National Stage Processing
Prosecution Specialist
(703) 375-6421

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT			AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.		IND.	DEP.	IND.	DEP.	IND.	DEP.
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45							95						
46							96						
47							97						
48							98						
49							99						
50							100						
TOTAL IND.	1	↓	2	↓		↓	TOTAL IND.		↓		↓		↓
TOTAL DEP.	14	←	18	←		←	TOTAL DEP.		←		←		←
TOTAL CLAIMS	15		20				TOTAL CLAIMS						

PATENT APPLICATION FEE DETERMINATION RECORD
Effective October 1, 2003

Application or Docket Number:

10/491049

CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)
TOTAL CLAIMS		
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	20 minus 20 =	-
INDEPENDENT CLAIMS	2 minus 3 =	-
MULTIPLE DEPENDENT CLAIM PRESENT <input type="checkbox"/>		

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	Minus	**
	Independent	Minus	***
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>		

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	Minus	**
	Independent	Minus	***
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>		

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	Minus	**
	Independent	Minus	***
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>		

- * If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
- ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
- *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

SMALL ENTITY TYPE ☐

OR OTHER THAN SMALL ENTITY

RATE	FEE
BASIC FEE	460
XS 9=	
X43=	
+145=	
TOTAL	460

RATE	FEE
BASIC FEE	
XS18=	
X86=	
-290=	
TOTAL	

SMALL ENTITY

OR OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE
XS 9=	
X43=	
+145=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
XS18=	
X86=	
+290=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
XS 9=	
X43=	
+145=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
XS18=	
X86=	
+290=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
XS 9=	
X43=	
+145=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
XS18=	
X86=	
+290=	
TOTAL ADDIT. FEE	

PATENT APPLICATION SERIAL NO. **10/491049**

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

04/08/2004 MKAYPAGH 00000010 10491049

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460.00 0P

PTO-1556
(5/87)